

Copper Outside Plant (OSP) Application Guide

Product Description	Design	Product Code	Application		
			Aerial*	UG Conduit	Direct Burial
Solid Insulated – Air Core					
Single Jacket, Coated AL Shield	ANSI/ICEA S-85-625	Sealpic®	R	S**	N
Self-Support 0.25" Messenger, Coated AL Shield	ANSI/ICEA S-85-625	Sealpic®-84	R	N	N
ALPETH Single Jacket, Bare AL Shield	Telcordia GR-421-CORE, ANSI/ICEA S-85-625	BHBA, BHAA, BKMA, BKTA	R	N	N
Self-Support 0.25" Messenger, Bare AL Shield	Telcordia GR-421-CORE, ANSI/ICEA S-85-625	BHBS, BHAS, BKMS, BKTS	R	N	N
Reinforced, Self-Support 0.25" Messenger, Bare AL Shield Inner Jacket, STL Armor, Outer Jacket	Telcordia GR-421-CORE, ANSI/ICEA S-85-625	BHBP, BHAP, BKMP, BKTP	R	N	N
PASP Double Jacket, AL Shield + STL Armor Rodent Resistant	Telcordia GR-421-CORE, ANSI/ICEA S-85-625	BHBH, BHAH, BKMH, BKTH	S	N	S
Foam-Skin Insulated – Filled Core					
Single Jacket, Coated AL Shield	ANSI/ICEA S-84-608 RDUP PE-89	Sealpic®-FSF	S	R	S
Single Jacket, CU Shield	ANSI/ICEA S-84-608 RDUP PE-89	Cupic®-FSF	S	R	S
Single Jacket, Copper-Alloy Armor Rodent Resistant	ANSI/ICEA S-84-608 RDUP PE-89	Gopic®-FSF	S	N	R
Single Jacket, Coated AL shield + Coated STL Armor Rodent Resistant	ANSI/ICEA S-84-608 RDUP PE-89	Caspic®-FSF	S	N	R
Filled ALPETH Single Jacket, Bare AL Shield	Telcordia GR-421-CORE, ANSI/ICEA S-84-608	ANBA, ANAA, ANMA, ANTA	S	R	S
Filled ASP Single Jacket, AL Shield + STL Armor Rodent Resistant	Telcordia GR-421-CORE, ANSI/ICEA S-84-608	ANBW, ANAW ANMW, ANTW	S	N	R

* Non self-supporting cables may be used in aerial installations but are required to be lashed or otherwise supported.

** Single Jacket, Air Core cable designs are not recommended for underground installations except as part of an air pressurized system.

Product Description	Design	Product Code	Application		
			Aerial*	UG Conduit	Direct Burial
Solid Insulated – Filled Core					
Single Jacket, Coated AL Shield	ANSI/ICEA S-84-608 RDUP PE-39	Sealpic®-F	S	R	S
Single Jacket, CU Shield	ANSI/ICEA S-84-608 RDUP PE-39	Cupic®-F	S	R	S
Single Jacket , Copper-Alloy Armor Rodent Resistant	ANSI/ICEA S-84-608 RDUP PE-39	Gopic®-F	S	N	R
Single Jacket, Coated AL shield + Coated STL Armor Rodent Resistant	ANSI/ICEA S-84-608 RDUP PE-39	Caspic®-F	S	N	R
Special Use Designs					
OSP Broadband Cat 5 High bandwidth, Short distance (100M) NF = Al shield GF = AL + STL Armor Filled core, 25 and 100 Pair only	TIA/EIA 568-B.2 ANSI/ICEA S-86-634	Megapic®-NF Megapic®-GF	S S	R N	S R
Bonded STALPETH (Ductpic) Foam-Skin Insulated Air Core Single Jacket, AL + STL Armor Large Pair Ct Only	Telcordia GR-421-CORE, ANSI/ICEA S-85-625	DCMZ, DCTZ	Congested UG Duct Systems		
Power Station High Potential Filled ASP 22 AWG Only Solid Insulation, Filled Core Single Jacket, AL + STL Armor	Telcordia GR-421-CORE, ANSI/ICEA S-84-608	CMAW	Power Sub stations		
STEAMPETH Solid Insulated, Air Core MDPE Jacket, AL + STL Armor Pressurized, High Temp Environments to 230F	Telcordia GR-421-CORE, ANSI/ICEA S-85-625	DKMN, DKTN	Steam Tunnels		
Filled Core Self-Support 0.25" Messenger, Coated AL Shield Single Jacket	Basic Cable RDUP PE-89 Figure 8 ANSI/ICEA S-85-625, Option A	Sealpic®- FSF-84	Aerial Installations where filled core design is desired		

Legend: R= Recommended S= Suitable N= Not Recommended